

K 2892 Jan06.ST25 SEQUENCE LISTING

```
KTB Tumorforschung
<120>
       Carrier-drug conjugates
<130>
      K 2892
<140>
      US 10/009,854
<141>
      2002-03-07
<150>
      DE 19926475.9
<151>
      1999-06-10
<160>
       27
<170>
      PatentIn version 3.3
<210>
       1
<211>
      8
<212>
      PRT
<213>
      Artificial sequence
<220>
<223>
       Octapeptide which stimulates the cleavage sequence of the
       collagen chain and is cleaved with particular efficiency by
MMP2
       and MMP9.
<400>
       1
Gly Pro Leu Gly Ile Ala Gly Gln
<210>
       2
<211>
<212>
      PRT
<213> Artificial sequence
<220>
<223>
       Octapeptide which stimulates the cleavage sequence of the
       collagen chain and is cleaved with particular efficiency by
MMP2
       and MMP9.
<400>
Gly Pro Gln Gly Ile Trp Gly Gln
1
```

```
K 2892 Jan06.ST25
<210>
<211>
<212>
     PRT
<213> Artificial sequence
<220>
<223>
      Peptide cleaved by cathepsin B
<400>
      3
Gly Phe Leu Gly
<210>
<211>
      4
<212>
      PRT
<213> Artificial sequence
<220>
<223>
      Peptide cleaved by cathepsin B
<400>
Gly Phe Ala Leu
<210> 5
<211>
      4
<212> PRT
<213> Artificial sequence
<220>
<223>
      Peptide cleaved by cathepsin B
<400>
      5
Ala Leu Ala Leu
<210>
      6
<211>
      16
<212> PRT
<213> Artificial sequence
<220>
       Peptide containing two cleavage sites for MMP 2 and MMP9.
<223>
```

<400>

```
K 2892 Jan06.ST25
Gly Pro Leu Gly Ile Ala Gly Gln Gly Pro Leu Gly Ile Ala Gly Gln
               5
<210>
      7
<211>
      12
<212>
      PRT
<213> Artificial sequence
<220>
      Peptide containing several cleavage sites for cathepsin B.
<223>
<400>
     7
Phe Lys Phe Lys Phe Lys Phe Lys
<210>
<211>
<212> PRT
<213> Artificial sequence
<220>
      Peptide containing several repetitive cleavage sites for
<223>
       cathepsin B.
<400>
      8
Gly Gly Phe Lys Phe Lys
                5
<210> 9
<211> 8
<212>
     PRT
<213>
      Artificial sequence
<220>
       Octapeptide which is cleaved by MMP9.
<223>
<400>
     9
Gln Gly Ala Ile Gly Leu Pro Gly
                5
<210>
      10
<211>
      7
<212> PRT
<213> Artificial
```

```
K 2892 Jan06.ST25
```

```
<220>
      Peptide containing several repetitive cleavage sites for
<223>
      cathepsin B.
<400>
      10
Gly Gly Phe Lys Phe Lys
<210>
      11
<211>
      8
<212>
      PRT
<213>
     Artificial
<220>
<223>
      Peptide containing several repetitive cleavage sites for
      cathepsin B.
<400>
     11
Gly Gly Gly Phe Lys Phe Lys
<210>
     12
<211>
      9
<212>
     PRT
<213> Artificial
<220>
<223>
      Peptide containing several repetitive cleavage sites for
       cathepsin B.
<400>
     12
Gly Gly Gly Gly Phe Lys Phe Lys
                5
<210> 13
<211> 10
<212> PRT
     Artificial
<213>
<220>
<223>
       Peptide containing several repetitive cleavage sites for
       cathepsin B.
<400>
      13
Gly Gly Gly Gly Gly Phe Lys Phe Lys
                              Seite 4
```

1

. 5

<213> Artificial

10

```
<210>
      14
<211>
      11
<212>
      PRT
<213>
     Artificial
<220>
<223>
      Peptide containing several repetitive cleavage sites for
      cathepsin B.
<400>
     14
Gly Gly Gly Gly Gly Phe Lys
<210>
      15
<211>
      12
<212>
     PRT
<213>
     Artificial
<220>
      Peptide containing several repetitive cleavage sites for
<223>
      cathepsin B.
<400>
     15
Gly Gly Gly Gly Gly Gly Phe Lys Phe Lys
               5
<210>
     16
<211> 13
<212>
     PRT
<213> Artificial
<220>
      Peptide containing several repetitive cleavage sites for
<223>
      cathepsin B.
<400>
      16
Gly Gly Gly Gly Gly Gly Gly Phe Lys Phe Lys
                                   10
<210>
      17
<211>
      14
<212>
      PRT
```

K 2892 Jan06.ST25

```
<220>
<223>
      Peptide containing several repetitive cleavage sites for
      cathepsin B.
<400>
     17
Gly Gly Gly Gly Gly Gly Gly Gly Phe Lys
<210>
      18
<211>
      15
<212>
     PRT
<213>
     Artificial
<220>
      Peptide containing several repetitive cleavage sites for
<223>
      cathepsin B.
<400>
      18
Gly Gly Gly Gly Gly Gly Gly Gly Gly Phe Lys
              5
                                                 15
                                10
<210>
     19
<211>
     16
<212>
     PRT
<213>
     Artificial
<220>
      Peptide containing several repetitive cleavage sites for
<223>
      cathepsin B.
<400>
      19
5
                                10
<210>
     20
<211>
     17
<212>
      PRT
<213>
     Artificial
<220>
<223>
      Peptide containing several repetitive cleavage sites for
      cathepsin B.
<400>
      20
```

```
K 2892 Jan06.ST25
5
Lys
<210>
    21
<211>
    18
<212>
    PRT
<213>
    Artificial
<220>
    Peptide containing several repetitive cleavage sites for
<223>
    cathepsin B.
<400>
    21
Phe Lys
<210>
    22
<211>
    19
<212>
    PRT
<213> Artificial
<220>
    Peptide containing several repetitive cleavage sites for
<223>
    cathepsin B.
<400>
    22
5
                        10
                                      15
Lys Phe Lys
1.7
<210> 23
<211>
    20
    PRT
<212>
<213> Artificial
```

<220>

```
K 2892 Jan06.ST25
```

<223> Peptide containing several repetitive cleavage sites for cathepsin B.

<400> 23

Phe Lys Phe Lys 20

<210> 24

<211> 21

<212> PRT

<213> Artificial

<220>

<223> Peptide containing several repetitive cleavage sites for cathepsin B.

<400> 24

Gly Phe Lys Phe Lys

<210> 25

<211> 22

<212> PRT

<213> Artificial

<220>

<223> Peptide containing several repetitive cleavage sites for cathepsin B.

<400> 25

Gly Gly Phe Lys Phe Lys 20

<210> 26

K 2892 Jan06.ST25

- <211> 23
- <212> PRT
- <213> Artificial
- <220>
- <223> Peptide containing several repetitive cleavage sites for cathepsin B.
- <400> 26
- Gly Gly Gly Phe Lys Phe Lys 20
- <210> 27
- <211> 24
- <212> PRT
- <213> Artificial
- <220>
- <223> Peptide containing several repetitive cleavage sites for cathepsin B.
- <400> 27
- Gly Gly Gly Phe Lys Phe Lys 20